

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of  
**Grueneberg et al.**

Examiner:     **To Be Assigned**

Art Unit:       **1645**

Application No.: **10/574,416**

Filed: **March 31, 2006**

Title: **Retroviral Vectors For Delivery of  
Interfering RNA**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.56, 1.97 AND 1.98**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

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- ☐ (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
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- ☐ (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or
- ☐ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Respectfully submitted,



Karen I. Krupen, Reg. No. 34,647  
Attorney for Applicant

sanofi-aventis U.S. Inc.  
U.S. Patent Operations  
Route #202-206 / P.O. Box 6800  
Bridgewater, NJ 08807-0800  
Telephone (908) 231-4658  
Telefax (908) 231-2626  
sanofi-aventis Docket No. USAV2002/0187 US PCT

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PTO/SB/08A (10-95)

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Substitute for form 1449A/PTC

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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**Complete if Known**

Application Number	10/574,416
Filing Date	03-31-2006
First Named Inventor	GRUENEBERG
Group Art Unit	1645
Examiner Name	To Be Assigned
Attorney Docket Number	USAV2002/0187 - US - PCT

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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Examiner  
Signature

Date  
Considered

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Application Number</b>	10/574,416
				<b>Filing Date</b>	03-31-2006
				<b>First Named Inventor</b>	GRUENEBERG
				<b>Group Art Unit</b>	1645
				<b>Examiner Name</b>	To Be Assigned
<b>Sheet</b>	2	of	2	<b>Attorney Docket Number</b>	USAV2002/0187 - US - PCT

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DEVROE et al., Retrovirus-delivered siRNA, BMC Technology, Biomed Central, Aug. 28, 2002, pp. 1-5	
		LIEBERMAN et al., Interfering with disease: opportunities and roadblocks to harnessing RNA interference, Trends in Molecular Medicine, Sept. 2003, Vol. 9, No. 9, pp. 397-403	
		LIU et al, Short hairpin RNA and retroviral vector-mediated silencing of p53 in mammalian cells, Biochem. & Biophys. Res. Comm., Oct. 12, 2004, Vol. 324, No. 4, pp. 1173-1178	
		MITTA et al., Advanced modular self-inactivating lentiviral expression vectors for multigene interventions in mammalian cells and in vivo transduction, Nucleic Acids Research, Nov. 1, 2002, Vol. 30, No. 21, pp. E113.1 to E113.18	
		TISCORNIA et al., A general method for gene knockdown in mice by using lentiviral vectors expressing small interfering RNA, PNAS, Vol. 100, No. 4, Feb. 18, 2004, pp. 1844-1848	
		RUBINSON et al., A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference, Nature Genetics, Vol. 33, No. 3, March 2003, pp. 401-405	

<b>Examiner Signature</b>	<b>Date Considered</b>
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